

EMERGENCY RESPONSE REPORT

FOR

SHARP PERFORMANCE CHEMICAL ACID RELEASE

5921 PLAINVIEW

HOUSTON, HARRIS COUNTY, TEXAS

Prepared for

U.S. Environmental Protection Agency Region 6

Linda Carter, Project Officer
1445 Ross Avenue
Dallas, Texas 75202

Contract No. EP-W-06-042
TDD No. TO-0001-09-02-01
WESTON W.O. No. 20406.012.001.0394.01
NRC No. 896347
CERCLIS No. N/A
FPN N/A
EPA OSC: Gary Moore
START-3 PTL: Derrick Cobb

Submitted by

Weston Solutions, Inc.
Robert Beck, VP, P.E., Program Manager
70 NE Loop 410, Suite 600
San Antonio, Texas 78216
(210) 308-4300

16 April 2009



PROJECT SUMMARY

This final report describes the U.S. Environmental Protection Agency (EPA) response actions for the Sharp Performance Chemical Acid Release. The site is located at 5921 Plainview, Houston, Harris County, Texas. The detailed report follows this page, and all attachments are provided as separate portable document format (PDF) files. On 01 February 2009, Houston Fire Department notified the National Response Center (NRC Report No. 896347) of a hydrochloric acid release from an aboveground storage tank (AST) at Sharp Performance Chemical. The NRC notified the EPA Region 6 Prevention and Response Branch (EPA-PRB). On 01 February 2009, the EPA Region 6 Superfund Technical Assessment and Response Team (START-3) contractor was activated by the EPA-PRB. Houston Fire Department (HFD), Houston Police Department (HPD), City of Houston Public Works (CHPW), Texas Commission on Environmental Quality (TCEQ), and Eagle Construction & Environmental Services also responded to the release. The cause of the release was a faulty gasket and frozen line impacting the rear area of the Sharp Performance Chemical facility, and the released product impacted an approximately 1.5 city block of stormwater runoff drainage system.

Sharp Performance Chemical personnel and Eagle personnel performed on-site and off-site remediation using soda ash to neutralize the hydrochloric acid. START-3 provided documentation of the incident scene and response actions taken. EPA On-Scene Coordinator (OSC) Gary Moore arrived on-site, reviewed the response actions, and released START-3 from the site at about 1800 hours on 01 February 2009. A follow-up meeting took place to discuss cleanup of product remaining on-site. TCEQ agreed to oversee completion of clean-up activities.

This final report was prepared by Weston Solutions, Inc. under Contract No. EP-W-06-042 for EPA Region 6. The EPA OSC was Gary Moore, and the START-3 Project Team Leader (PTL) was Derrick Cobb.

☐

The EPA Task Monitor did not provide final approval of this report prior to the completion date of the work assignment. Therefore, Weston Solutions, Inc. has submitted this report absent the Task Monitor's approval.

☒

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EMERGENCY RESPONSE REPORT

PROJECT SUMMARY

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1. PROJECT IDENTIFICATION

Date: 16 April 2009

To: Gary Moore, On-scene Coordinator (OSC)
U.S. Environmental Protection Agency (EPA)
Region 6, Prevention and Response Branch

Through: Linda Carter, Project Officer (PO)
EPA Region 6, Program Management Branch

Through: Robert Beck, VP, P.E., Weston Solutions, Inc. (WESTON®)
EPA Region 6, Superfund Technical Assessment and Response Team (START-3)
Program Manager

From: Derrick Cobb, WESTON
EPA Region 6, START-3 Project Team Leader

Subject: Sharp Performance Chemical Acid Release
5921 Plainview, Houston, Harris County, Texas
Contract No. EP-W-06-042
TDD No. TO-0001-09-02-01
W.O. No. 20406.012.001.0394.01
NRC No. 896347
FPN N/A
CERCLIS ID N/A
Latitude 29.679989° North
Longitude 95.310208° West

Geographic coordinates of the incident location were determined by START-3 members using Google Earth and the hand-held Global Positioning System (GPS) based on the World Geodetic System – 1984 (WGS-84) with accuracy estimated at less than 50-foot circular probable error.

2. INTRODUCTION

On 01 February 2009, Houston Fire Department (HFD) notified the National Response Center (NRC No. 896347) of a hydrochloric acid release (HCl) at 5921 Plainview, Houston, Harris County, Texas. HFD was contacted at 0530 hours by a nearby business owner of a potential release at the facility. Upon further investigation it was determined that the source of the release was a 10,000-gallon aboveground storage tank (AST) containing hydrochloric acid. The NRC notified the EPA Region 6 Prevention and Response Branch (EPA-PRB). At 0900 hours on 01

February 2009, the EPA-PRB notified Weston Solutions, Inc. (WESTON), the EPA Region 6 START-3 contractor, to respond to a Tier 1 response. Sharp Performance Chemical is the potentially responsible party (PRP).

3. BACKGROUND

The incident site is located at located at 5921 Plainview in an industrial area located in the southeast sector of Houston, Harris County, Texas (see Site Location Map, Attachment A and Site Area Map, Attachment B). At the close of business on 30 January 2009 Sam George, owner of Sharp Performance Chemical, estimated that approximately 5,500 gallons of 36% hydrochloric acid (HCl) was contained within the 10,000-gallon AST. Sharp Performance Chemical uses the hydrochloric acid to manufacture commercial grade cleaners and specialty products.

4. ACTIONS TAKEN

On 01 February 2009, EPA OSC Chris Ruhl tasked START-3 to mobilize to the Sharp Performance Chemical site to gather information regarding the release and to coordinate with TCEQ and CHPW personnel. START-3 tasks included obtaining stormwater runoff drainage system status and providing written and photographic documentation of response activities. Upon arrival at the incident location, START-3 team members Derrick Cobb and Joel Shaffer were briefed by Houston Fire Chief as well as CHPW, Dennis Alvarez. According to the fire chief, a vapor cloud migrating off-site was first reported to them at approximately 0530 hours by a nearby business owner. The actual time of release was reported to be unknown. Upon further inspection by HFD, it was determined that the source of the vapor cloud was a 10,000-gallon AST containing 36% hydrochloric acid. At approximately 1030 hours, the EPA OSC in charge changed from EPA OSC Chris Ruhl to EPA OSC Gary Moore.

HFD conducted a Level B entry into the facility to determine the source of the release and potential remediation options. At that time it was determined that a faulty gasket/piping assembly was the source of the leak. HFD placed a small tote underneath the gasket/piping assembly in attempts to prevent any further release of the material. HFD also determined that offloading the tank would be required to minimize the potential for another release. HFD cut a

hole in the AST and began transferring the product from the AST and the small tote into additional totes provided by Sharp Performance Chemical. Based on the amount of product transferred from the AST, it is believed that approximately 2,500 gallons of product was released. Upon final completion of the transfer of material, no new product was being released and HFD departed the site.

CHPW contracted Eagle Construction & Environmental Services to perform remediation of the stormwater drainage system and provide air monitoring support during the release and clean-up activities. During the release, product was flowing off-site onto Joyner and traveling north along Joyner. Eagle personnel constructed a berm around the stormwater drainage inlet at the intersection of Plainview and Dixie to minimize the impact to the stormwater drainage system. After the site was stabilized (i.e., no longer an active release) Eagle personnel applied absorbent material to the pooled product along Plainview. The absorbent material was scooped up and placed into drums for off-site disposal. After removing the pooled material, Eagle personnel began decontamination of the stormwater drainage system by washing/flushing the gutter and stormwater drainage system with a combination of soda ash solution and fresh water. Eagle personnel placed a vacuum truck at the location of Joyner and Plainview to collect the flushing solution (see Attachment C). Throughout the clean-up process, periodic pH testing of the decontamination solutions was performed by Eagle personnel to determine the progress of product neutralization. At 1451 hours, START-3 performed confirmation pH testing in the stormwater drain at the corner of Joyner and Plainview; the pH result was approximately 7.0. At this time, CHPW determined that the off-site cleanup was complete. Eagle personnel then constructed a berm within the City of Houston right-of way along the perimeter of the facility using approximately 60 bags of sand to minimize the potential for a release of the pooled product remaining on-site.

While Eagle personnel performed off-site cleanup activities, PRP personnel attempted to clean up product released on the property premises. This included attempting to neutralize the on-site spilled material with soda ash and pumping free product pooled on the ground into an empty tote. At 1736 hours on 01 February 2009, EPA OSC Gary Moore released START-3 from the incident location. On 02 February 2009, TCEQ met on-site with EPA OSC Gary Moore to

discuss cleanup of the remainder of product on-site. TCEQ and EPA agreed that TCEQ would oversee completion of cleanup activities.

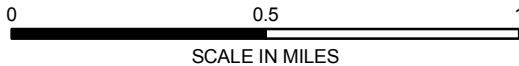
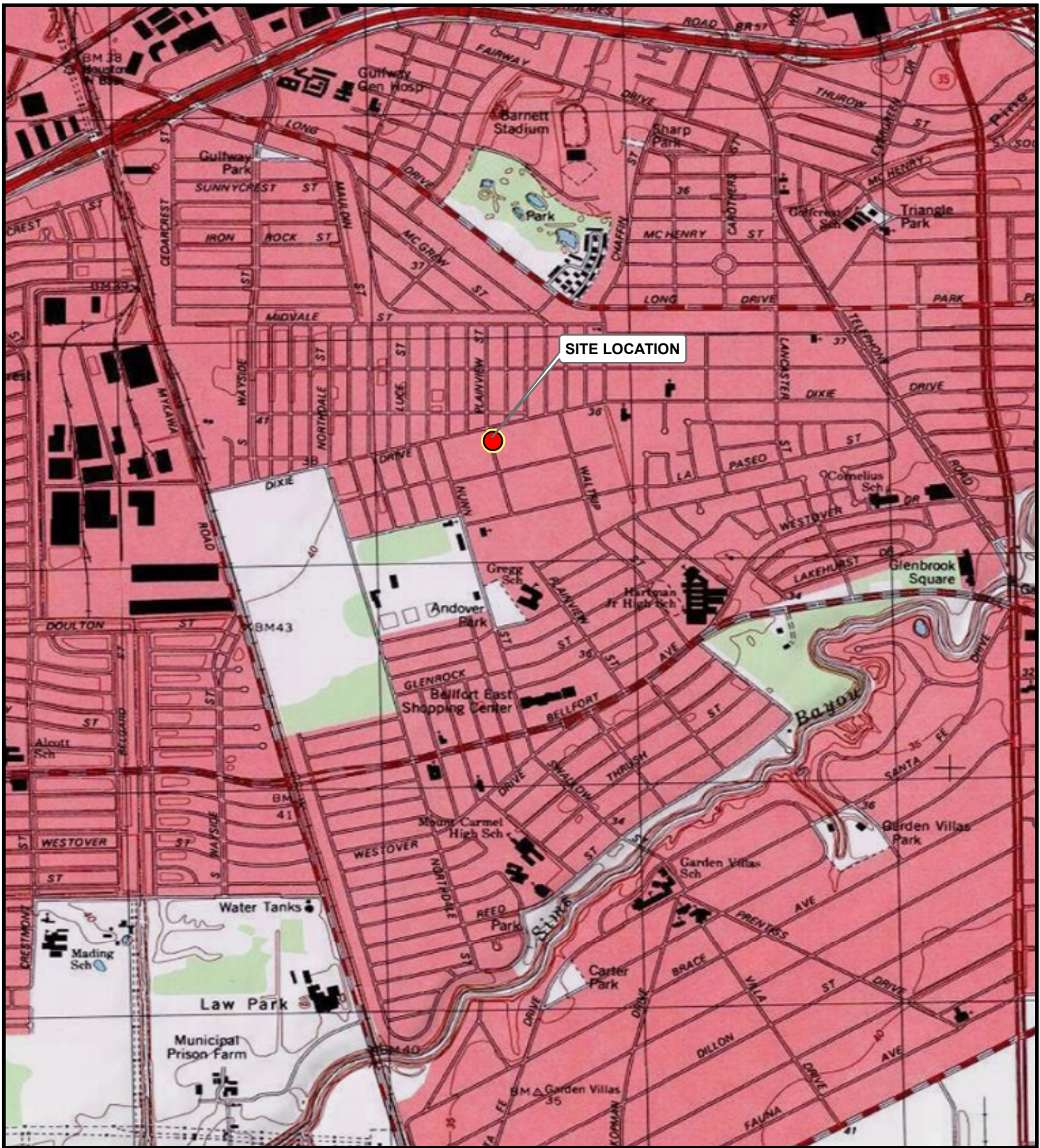
This final report was prepared as part of the requirements of the TDD and serves as documentation of the work completed to date.

5. LIST OF ATTACHMENTS

- A. Site Location Map
- B. Site Area Map
- C. Site Layout Map
- D. Copy of NRC Report No. 896347
- E. Digital Photographs
- F. Copy of POLREP
- G. Copy of START-3 Site Logbook
- H. NOAA Weather Station Data from Houston for 01 February 2009
- I. Copy of TDD No. TO-0001-09-02-01

ATTACHMENT A

SITE LOCATION MAP



SCALE IN MILES

LEGEND

 SITE LOCATION



NRCH 896347
TDD NO: 0001-09-02-01
SOURCE: USGS 7.5 MIN TOPO



USEPA REGION 6 START-3

ATTACHMENT A
SITE LOCATION MAP
SHARP PERFORMANCE CHEMICAL
5921 PLAINVIEW
HOUSTON, HARRIS COUNTY, TEXAS

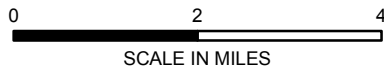
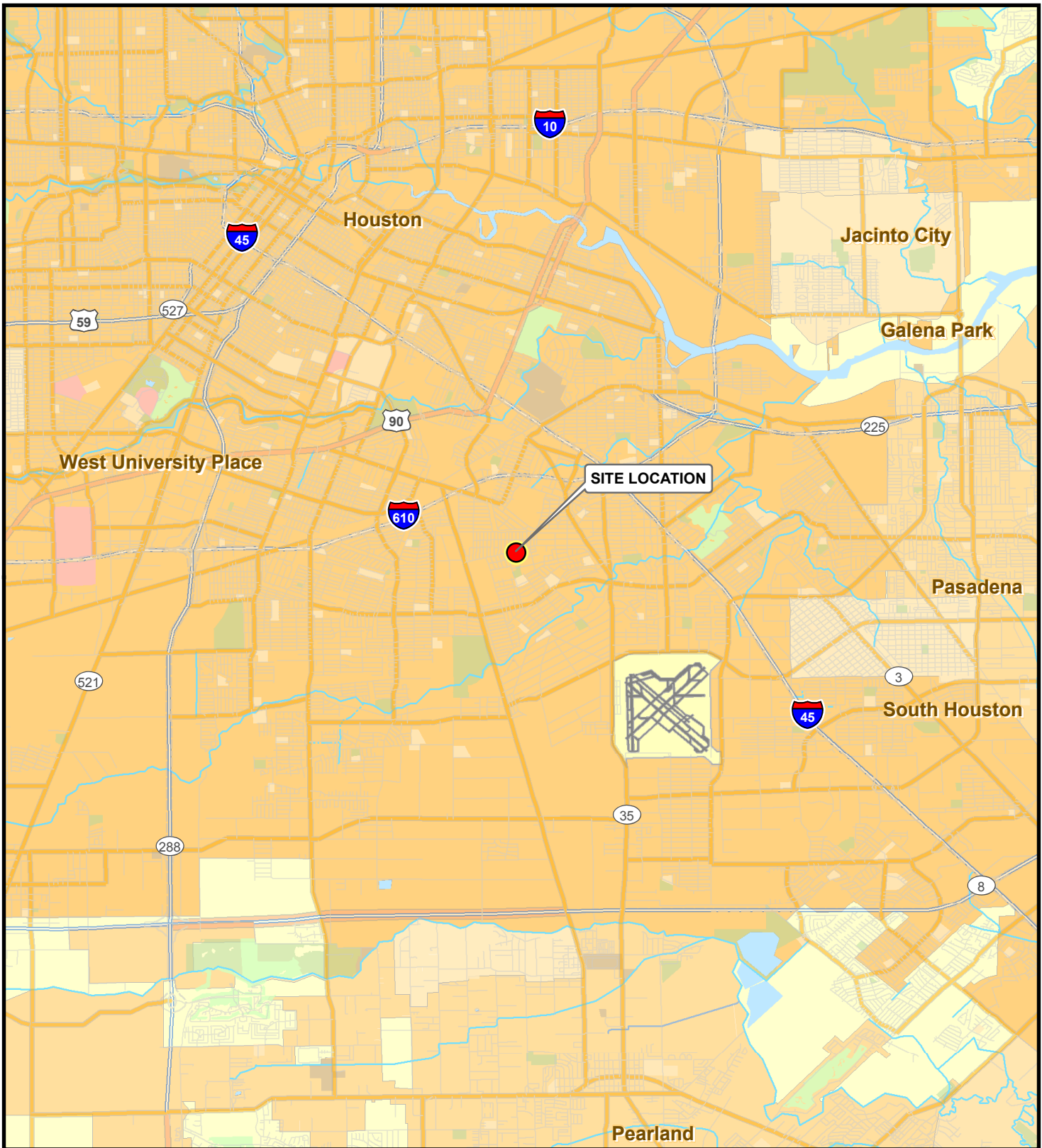
DATE
APR. 2009

PROJECT NO
20406.012.001.0394.01

SCALE
AS SHOWN

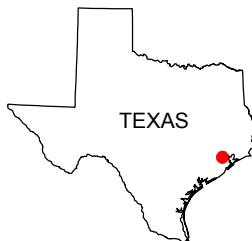
ATTACHMENT B

SITE AREA MAP



LEGEND

 SITE LOCATION



NRC# 896347
TDD NO: 0001-09-02-01
SOURCE: ESRI STREET MAPS



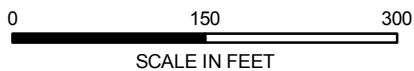
**USEPA REGION 6
START-3**

**ATTACHMENT B
SITE AREA MAP
SHARP PERFORMANCE CHEMICAL
5921 PLAINVIEW
HOUSTON, HARRIS COUNTY, TEXAS**

DATE APR. 2009	PROJECT NO 20406.012.001.0394.01	SCALE AS SHOWN
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ATTACHMENT C

SITE LAYOUT MAP



LEGEND

- | | | | |
|---|-------------------------|---|------------------------|
|  | MANHOLE |  | STORMWATER LINES |
|  | STORM WATER DRAIN INLET |  | PRODUCT RELEASE SOURCE |
|  | PRODUCT FLOW |  | PROPERTY BOUNDARY |

NRC# 896347
TDD NO: 0001-09-02-01
IMAGE SOURCE: GLOBEXPLORER



**USEPA REGION 6
START-3**

ATTACHMENT C
SITE LAYOUT MAP
SHARP PERFORMANCE CHEMICAL
5921 PLAINVIEW
HOUSTON, HARRIS COUNTY, TEXAS

DATE APR. 2009	PROJECT NO 20406.012.001.0394.01	SCALE AS SHOWN
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ATTACHMENT D

COPY OF NRC REPORT NO. 896347

NATIONAL RESPONSE CENTER 1-800-424-8802

*** For Public Use ***

Information released to a third party shall comply with any applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 896347

INCIDENT DESCRIPTION

*Report taken at 09:09 on 01-FEB-09

Incident Type: STORAGE TANK

Incident Cause: UNKNOWN

Affected Area: STORM DRAIN

The incident was discovered on 01-FEB-09 at 06:12 local time.

Affected Medium: WATER /STORM DRAIN

SUSPECTED RESPONSIBLE PARTY

Organization: SHARK PERFORMACE CHEMICALS
HOUSTON, TX

Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION

5921 PLAINVIEW County: HARRIS

City: HOUSTON State: TX

534U

RELEASED MATERIAL(S)

CHRIS Code: HCL Official Material Name: HYDROCHLORIC ACID

Also Known As:

Qty Released: 0 UNKNOWN AMOUNT

Qty in Water: 0 UNKNOWN AMOUNT

DESCRIPTION OF INCIDENT

CALLER IS REPORTING THAT HYDROCHLORIC ACID IS RELEASING FROM A 10000 GALLON POLY TANK VALVE SYSTEM. CALLER STATED THAT THE NEIGHBORHOOD HAS BEEN EVACUATED AT A 100 YARD RADIUS.

INCIDENT DETAILS

Description of Tank: POLY TANK

Tank Above/Below Ground: ABOVE

Transportable Container: UNKNOWN

Tank Regulated: UNKNOWN

Tank Regulated By:

Tank ID: UNKNOWN

Capacity of Tank: 10000 GALLON(S)

Actual Amount:

---WATER INFORMATION---

Body of Water: STORM DRAIN

Tributary of: UNKNOWN

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

DAMAGES

Fire Involved: NO Fire Extinguished: UNKNOWN
 INJURIES: NO Hospitalized: Empl/Crew: Passenger:
 FATALITIES: NO Empl/Crew: Passenger: Occupant:
 EVACUATIONS: YES Who Evacuated: PRIVATE Radius/Area: 1 Mile(s)
 CITIZENS
 Damages: NO

<u>Closure Type</u>	<u>Description of Closure</u>	<u>Length of Closure</u>	<u>Direction of Closure</u>
Air:	N		
Road:	N		M:
Waterway:	N		Ar
Track:	N		

Passengers Transferred: NO
 Environmental Impact: NO
 Media Interest: NONE Community Impact due to Material:

REMEDIAL ACTIONS

NONE
 Release Secured: UNKNOWN
 Release Rate:
 Estimated Release Duration:

WEATHER

Weather: OVERCAST, 65°F

ADDITIONAL AGENCIES NOTIFIED

Federal: USCG
 State/Local: LOCAL AGENCY
 State/Local On Scene: FIRE DEPT.
 State Agency Number: NO REPORT #

NOTIFICATIONS BY NRC

USCG HSOC AT DHS (USCG HSOC DESK)
 01-FEB-09 09:17
 CHEM SAFETY AND HAZARD INVEST BOARD (CSB AUTOMATIC NOTIFICATIONS)
 01-FEB-09 09:17
 DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)
 01-FEB-09 09:17
 EPA OEM (MAIN OFFICE)
 01-FEB-09 09:22
 EPA OEM (WEEKEND CONTACT)
 01-FEB-09 09:22
 U.S. EPA VI (MAIN OFFICE)
 01-FEB-09 09:20
 FEDERAL EMERGENCY MANAGEMENT AGENCY (MAIN OFFICE)
 01-FEB-09 09:17
 USCG COMMAND CENTER (MAIN OFFICE)
 01-FEB-09 09:18

JFO-LA (COMMAND CENTER)

01-FEB-09 09:17

NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)

01-FEB-09 09:17

NOAA RPTS FOR TX (MAIN OFFICE)

01-FEB-09 09:17

NATIONAL RESPONSE CENTER HQ (MAIN OFFICE)

01-FEB-09 09:18

NTSB PIPELINE (MAIN OFFICE)

01-FEB-09 09:17

HOMELAND SEC COORDINATION CENTER (MAIN OFFICE)

01-FEB-09 09:17

SECTOR HOUSTON-GALVESTON (COMMAND CENTER)

01-FEB-09 09:19

TCEQ (MAIN OFFICE)

01-FEB-09 09:17

TX DEPT OF STATE HEALTH SERVICES (COMMAND CENTER)

01-FEB-09 09:17

TX GENERAL LAND OFFICE (MAIN OFFICE)

01-FEB-09 09:17

TX GENERAL LAND OFFICE (TXGLO REGION 2)

01-FEB-09 09:17

TEXAS STATE OPERATIONS CENTER (COMMAND CENTER)

01-FEB-09 09:17

ADDITIONAL INFORMATION

CALLER HAD NO ADDITIONAL INFORMATION AT THIS TIME.

*** END INCIDENT REPORT # 896347 ***

ATTACHMENT E

DIGITAL PHOTOGRAPHS

To View Photographs:

- 1) Open the Folder: Sharp Performance Chemical_Photos - Sampling_photos**



- 2) Double click on the Icon (in the folder):**

[click here to view
photos.htm](#)



EPA Response Manager Photo Report

[Browse Photos](#) [Search Photos](#)



Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1017.JPG

Photo Type: Overview

Direction: West

Date/Time: Feb 1 2009 10:17AM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Houston Fire Department Command Post





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1041A.JPG

Photo Type: Overview

Direction: W

Date/Time: Feb 1 2009 10:41AM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Fire Trucks on site





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1041B.JPG

Photo Type: Overview

Direction: W

Date/Time: Feb 1 2009 10:41AM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Houston Fire Trucks





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1041C.JPG

Photo Type: Overview

Direction:

Date/Time: Feb 1 2009 10:41AM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Corner of Lindergh and Plainview





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1041D.JPG

Photo Type: Overview

Direction: S

Date/Time: Feb 1 2009 10:41AM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Corner of Lindergh and Plainview facing south viewing decon setup





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1042B.JPG

Photo Type: Overview

Direction: W

Date/Time: Feb 1 2009 10:42AM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption:





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1042A.JPG

Photo Type: Overview

Direction:

Date/Time: Feb 1 2009 10:42AM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption:





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1120.JPG

Photo Type: Overview

Direction: S

Date/Time: Feb 1 2009 11:20AM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Picture taken from corner of Lindergh and Plainview





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1121.JPG

Photo Type: Overview

Direction: S

Date/Time: Feb 1 2009 11:21AM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Picture taken from corner of Lingergh and Plainview





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1123.JPG

Photo Type: Overview

Direction: S

Date/Time: Feb 1 2009 11:23AM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Decon staging area





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1258A.JPG

Photo Type: Overview

Direction: E

Date/Time: Feb 1 2009 12:58PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: View of 10,000 gallong tank, source of spill and view of release on ground





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1258B.JPG

Photo Type: Overview

Direction: E

Date/Time: Feb 1 2009 12:58PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: PRP employee wearing respirator applying pot ash inside facility





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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1304.JPG

Photo Type: Overview

Direction: S

Date/Time: Feb 1 2009 1:04PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Vac truck at corner of Joyner and Plainview





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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1306.JPG

Photo Type: Overview

Direction: SW

Date/Time: Feb 1 2009 1:06PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Street sign for corner of Joyner and Plainview





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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1307.JPG

Photo Type: Overview

Direction: NW

Date/Time: Feb 1 2009 1:07PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Eagle contractors applying absorbant in gutter to minimize entry into storm drain.





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1311A.JPG

Photo Type: Overview

Direction: E

Date/Time: Feb 1 2009 1:11PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Storm drain at corner of Dixie and Plainview with absorbent present.





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1311B.JPG

Photo Type: Overview

Direction: E

Date/Time: Feb 1 2009 1:11PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Storm drain pic at Dixie and Plainview





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1317.JPG

Photo Type: Overview

Direction: E

Date/Time: Feb 1 2009 1:17PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: View of spill inside 5921 Plainview and impact on drums





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1318H.JPG

Photo Type: Overview

Direction: SE

Date/Time: Feb 1 2009 1:18PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Eagle contractor shovel product in absorbent.





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1318E.JPG

Photo Type: Overview

Direction: E

Date/Time: Feb 1 2009 1:18PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: View of spill inside 5921 Plainview and impact on drums





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1318D.JPG

Photo Type: Overview

Direction: NW

Date/Time: Feb 1 2009 1:18PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: View of spill inside 5921 Plainview and impact on drums





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1318C.JPG

Photo Type: Overview

Direction: E

Date/Time: Feb 1 2009 1:18PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: View of spill inside 5921 Plainview and impact on drums





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1318B.JPG

Photo Type: Overview

Direction: SE

Date/Time: Feb 1 2009 1:18PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: View of spill inside 5921 Plainview and impact on drums





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1318G.JPG

Photo Type: Overview

Direction: SE

Date/Time: Feb 1 2009 1:18PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: View of spill inside 5921 Plainview and impact on drums





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1318F.JPG

Photo Type: Overview

Direction: E

Date/Time: Feb 1 2009 1:18PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: View of spill inside 5921 Plainview and impact on drums





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1318A.JPG

Photo Type: Overview

Direction: SE

Date/Time: Feb 1 2009 1:18PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: View of spill inside 5921 Plainview and impact on drums





EPA Response Manager Photo Report

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Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1318I.JPG

Photo Type: Overview

Direction: S

Date/Time: Feb 1 2009 1:18PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption:





EPA Response Manager Photo Report

[Browse Photos](#) [Search Photos](#)



Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1319.JPG

Photo Type: Overview

Direction: SE

Date/Time: Feb 1 2009 1:19PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption:





EPA Response Manager Photo Report

[Browse Photos](#) [Search Photos](#)



Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1323.JPG

Photo Type: Overview

Direction: E

Date/Time: Feb 1 2009 1:23PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption:





EPA Response Manager Photo Report

[Browse Photos](#) [Search Photos](#)



Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1326.JPG

Photo Type: Overview

Direction: NE

Date/Time: Feb 1 2009 1:26PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Removing HCl waste from the gutter.





EPA Response Manager Photo Report

[Browse Photos](#) [Search Photos](#)



Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1328B.JPG

Photo Type: Overview

Direction: S

Date/Time: Feb 1 2009 1:28PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Vac truck sucking product





EPA Response Manager Photo Report

[Browse Photos](#) [Search Photos](#)



Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1328A.JPG

Photo Type: Overview

Direction: S

Date/Time: Feb 1 2009 1:28PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Eagle Environmental hosing gutter on Plainview towards Dixie Street





EPA Response Manager Photo Report

[Browse Photos](#) [Search Photos](#)



Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1349B.JPG

Photo Type: Overview

Direction: E

Date/Time: Feb 1 2009 1:49PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption:





EPA Response Manager Photo Report

[Browse Photos](#) [Search Photos](#)



Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1349A.JPG

Photo Type: Overview

Direction: E

Date/Time: Feb 1 2009 1:49PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: PRP employee applying soda ash around perimeter of spill





EPA Response Manager Photo Report

[Browse Photos](#) [Search Photos](#)



Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1424.JPG

Photo Type: Overview

Direction: SW

Date/Time: Feb 1 2009 2:24PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: Police blockade





EPA Response Manager Photo Report

[Browse Photos](#) [Search Photos](#)



Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1425.JPG

Photo Type: Overview

Direction: S

Date/Time: Feb 1 2009 2:25PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption:





EPA Response Manager Photo Report

[Browse Photos](#) [Search Photos](#)



Event Name: Sharp Performance Chemical

Incident Name: Sharp Performance Chemical

Photo Name: 20090201_1437.JPG

Photo Type: Overview

Direction: N

Date/Time: Feb 1 2009 2:37PM

Latitude: 0

Longitude: 0

Photographer: Joel Shaffer

Witness: Derrick Cobb

Caption: START contractor collecting pH of liquid in gutter.





ATTACHMENT F

COPY OF POLREP

**United States Environmental Protection Agency
Region VI
POLLUTION REPORT**

Date: Sunday, February 01, 2009

From: Gary Moore, OSC

To: Ragan Broyles, Superfund Division

Subject: Initiation of Response
Sharp Performance Chemical
5921 Plainview, Houston, TX
Latitude: 29.68173
Longitude: -95.30958

POLREP No.:	1	Site #:	
Reporting Period:		D.O. #:	
Start Date:	2/1/2009	Response Authority:	CERCLA
Mob Date:	2/1/2009	Response Type:	Emergency
Completion Date:		NPL Status:	
CERCLIS ID #:		Incident Category:	
RCRIS ID #:		Contract #	

Site Description

At 0530, a citizen contacted the Houston Fire Department of a vapor cloud emanating from a facility located at 5921 Plainview. Houston FD responded to the scene to determine the source. The source was identified as a approximate 10000 gallon above ground storage tank (AST) of 36% Hydrochloric Acid.

At 0809, the Houston FD reported this release to the National Response Center (NRC # 896347). The PRP was reported as Sharp Performance Chemicals located at 5921 Plainview, Houston, Texas.

Current Activities

Upon arrival of EPA START Contractors, it was determined that approximately 1400 gallons of HCL had been released from the tank and was running off-site. The Houston FD contained the spill with a secondary containment tub underneath the valving and piping. The run-off from the site entered the City-of-Houston Storm Sewer. Houston FD covered the storm sewer to prevent any further release into it.

The fire department transferred product from the secondary containment and the tank into on-site poly totes. Approximately 600 gallons of product was transferred into totes.

City-of-Houston Public Works contractor Eagle Construction removed the spilled material from Plainview and flushed the storm sewer. Eagle Construction utilized sorbent material and a Soda Ash Solution to neutralize the roadway and storm sewer.

Planned Removal Actions

The PRP will begin an investigation into the spill, continue neutralization, and complete cleanup

activities.

City-of-Houston Public Works will return to the site to assess the condition of the storm sewer after the spill.

Next Steps

TCEQ and EPA will meet with the PRP to discuss remediation activities of the facility on 2 February 2009.

The PRP will complete cleanup activities as directed by the TCEQ.

Key Issues

EPA, TCEQ, City-of-Houston Fire Department, Harris County HAZMAT, City-of-Houston Public Works Department, Houston Police Department, and Harris County Police all responded to the site.

www.epaossc.org/performancechemical

**United States Environmental Protection Agency
Region VI
POLLUTION REPORT**

Date: Tuesday, February 03, 2009

From: Gary Moore, OSC

To: Ragan Broyles, Superfund Division

Subject: Final Polrep
Sharp Performance Chemical
5921 Plainview, Houston, TX
Latitude: 29.68173
Longitude: -95.30958

POLREP No.:	2	Site #:	A6M8
Reporting Period:		D.O. #:	
Start Date:	2/1/2009	Response Authority:	CERCLA
Mob Date:	2/1/2009	Response Type:	Emergency
Completion Date:	2/2/2009	NPL Status:	Non NPL
CERCLIS ID #:	TXN000606967	Incident Category:	
RCRIS ID #:		Contract #	

Site Description

At 0530, a citizen contacted the Houston Fire Department of a vapor cloud emanating from a facility located at 5921 Plainview. Houston FD responded to the scene to determine the source. The source was identified as a approximate 10000 gallon above ground storage tank (AST) of 36% Hydrochloric Acid.

At 0809, the Houston FD reported this release to the National Response Center (NRC # 896347). The PRP was reported as Sharp Performance Chemicals located at 5921 Plainview, Houston, Texas.

Current Activities

On February 1, 2009, The City of Houston FD and Public Works addressed the source of the spill as well as the off-site release. Upon completion of these activities, the City of Houston demobilized its assets from the site.

The PRP continued response actions after demobilization by the City of Houston by applying soda ash and absorbent materials to the HCL liquid remaining on-site. The volume of HCL liquid remaining on-site within potholes and depressions on the driveway and surrounding areas is estimated at 100 gallons.

Planned Removal Actions

The PRP will complete the neutralization and absorption of the remaining liquids and is in the process of hiring a remediation company to assist in address the absorbed acid contaminated wastes and contaminated soils.

Next Steps

The PRP will assess the area to determine the necessary cleanup activities. TCEQ will take the lead in oversight of the cleanup activities.

Key Issues

No further action is anticipated by EPA.

www.epaosc.org/performancechemical

ATTACHMENT G
COPY OF START-3 SITE LOGBOOK

SHARP PERFORMANCE Chemical
Emergency Response



"Rite in the Rain"[®]
ALL-WEATHER
JOURNAL
No. 391

Age Group	No	Yes	Don't know	No answer	Refused
1	~10%	~10%	~10%	~10%	~10%
2	~10%	~10%	~10%	~10%	~10%
3	~10%	~10%	~10%	~10%	~10%
4	~10%	~10%	~10%	~10%	~10%
5	~10%	~10%	~10%	~10%	~10%
6	~10%	~10%	~10%	~10%	~10%

Project _____

Clear Vinyl Protective Slipcovers (Item No. 30) are available for this style of notebook. Helps protect your notebook from wear & tear. Contact your dealer or the J. L. Darling Corporation.

Camera A69935

2 2/1/2009

Shapp Performance Chemical ER

ICI ER, Houston

0900 START-3 receives call from
EPA OSC Chris Ruel pertaining
to a spill of hydrochloric Acid
located at: 5921 Plainview (Sharp Chemical.)

1000 - START-3 responders Derrick Cobb
and Joel Shaffer depart warehouse
for 5921 Plainview.

1015 START-3 arrives at 5921 Plainview.

On site is Houston Police Department,
Houston Fire Department, Eagle Environmental
as contractor to Houston Fire Department,
Houston County Hazmat, City of Houston, & TCEQ.
START-3 rep Derrick Cobb meets fire department
chief and is given following info:

At approximately 0530 a vapor cloud is
reported. Owner indicated to fire department
the leaking 10,000 gallon tank had
approximately 5,500 gal. It'd at 36% on Friday
before the leak. Leak of on 2/1/09 was
caused by a Bad Gasket - Frozen valve
Approx. 2,000 gal. HCl have been released
and 600-1000 gallons in storm drain.

2/1/2009

SHARP Performance Chemical ER

3

5921 Plainview

Catch basin is present under the tank.
And fire department is pumping spilled
product into totes at ~65 gallons/min.
South Wind at 6.7 mph.

- No release to Bayou has been indicated located
~8-10 blocks away.

- Suspect release has impacted ~1 block

Radius storm sewer.

10:44 START-3 Rep Joel Shaffer takes
5 pictures at corner of Lindergh &
Plainview. in directions between

1044-10:45 Facing North, then East,

South East, South (Recomp), Southwest

and lastly facing West. Derrick Cobb is writing,

N 29°40'43.7" West 095°18'35.6"

1045 START-3 Cobb contacts OSC Gary Moore
to update progress. OSC Moore tasks

START-3 to coordinate storm sewer
field data with City of Houston Public Works.

1125 Picture of leaking blue tank

facing south from corner of
Lindergh & Plainview. Photo by Joel Shaffer

4 2/1/2009

SHARP Performance Chemical ER

5921 Plainview

1130 - Picture by START-3 Shaffer
of decon Pad.

Two man-holes 4' deep & gravel 8' deep

1105 - Eagle Construction start field
pH measurements in storm sewers.

Sam George is owner of Sharp
Chemical performance, 281-543-8795.

1155 - Cobb START-3 spoke with Dennis
Alvarez (713-678-5890). - Storm
sewer flow runs/flows east to west
to ~~the~~ Joyner and then flows
north along Joyner. Material
appears to be contained within
1 1/2 block from point of entry.

Dennis Alvarez → City of Houston
Public Works

1200 - START Cobb contacts OSC Moore
to discuss details. Transf. & offloading
at same time.

Tank is being emptied.

1205 Public Works (C.O.H.) plans
flush storm sewer with a
soda ash water mixture to neutralize
material after tank is emptied.

2/1/2009

SHARP Performance Chemical ER

5921 Plainview

1230 - 1250 - Lunch Break.

1300 2 Pictures taken of work around
leaking tank. Photog. J. Shaffer, Witness Cobb
Direction - Face West.

$29^{\circ}40'47.5''$, $-095^{\circ}18'36.8''$

1300 HFD depart site, complete product transp.

1307 - Picture taken of vac. truck.

OMI Truck U.S. At 766519 at
corner of Joyner & Plainview.

Photog. J. Shaffer. Witness. D. Cobb

Direction - Face South

$N 29^{\circ}40'51.3''$ $W -95^{\circ}18'37.3''$

1310 Eagle Construction (contractor to Public Works) continue
vac op's in sewer (Joyner & Plainview).

1310 Picture taken from the corner
of Dixie & Plainview facing Works
with Eagle crew laying absorbent
Photog - Shaffer Witness - Cobb

$N 29^{\circ}40'49.6''$ $W -95^{\circ}18'37.0''$

Absorbent being added to prevent further entry
of product into sewer.

1314 - 2 Pictures taken of storm drain
at corner of Dixie & Plainview

Witness - Sta Cobb Photog - Shaffer

2/1/2009 Sharp Performance Chemical ER
5921 Plainview

1320 - Several photos taken of spill area. Facing ~~west~~^{East} to south in last pic. $29^{\circ}40'46.8''$ $-95^{\circ}18'36.3''$
Appear to have 12 drums on pallets not impacted, 13 additional drums on pallets with 1 white drum showing paint bubbling.

The white drum is not showing label from street view.

Approximately 15 additional 55-gallon drums are not on pallets and approx 5" spill waste is evident on base of drums, some marked as Corrosive stickers.

1330 Picture by Shaffer showing absorbent material being containerised.

1335 - Photo taken at corner of Dixie & Plainview with vac truck sucking product from storm drain.

Photographer: Todd Shaffer - witness - Cobb.
 $29^{\circ}40'48.7''$ $-95^{\circ}18'37.1''$

Eagle collecting product 35 gal / 2 bags Soda Ash, pH 12 with product pH = 0.

2/1/2009 Sharp Performance Chemical ER
5921 Plainview

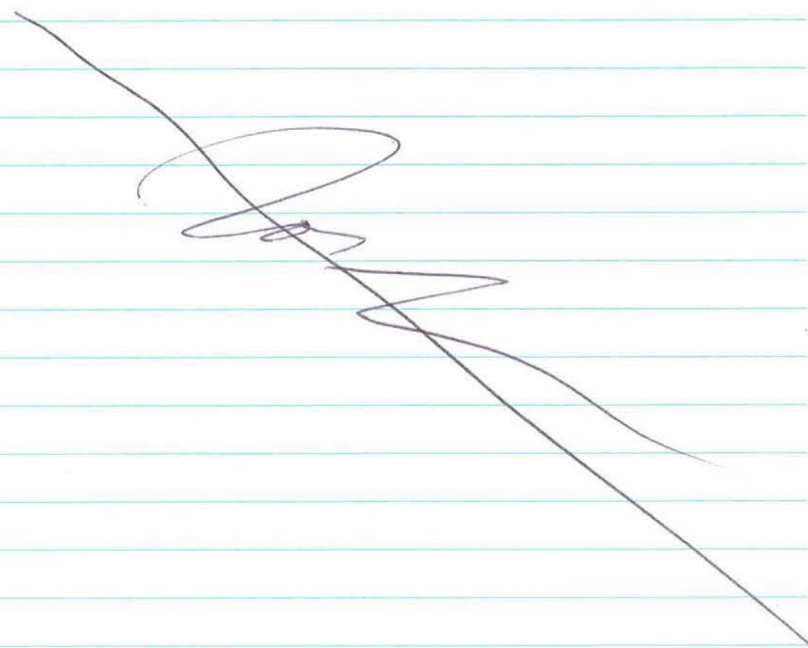
pH 2 blocks downstream went from pH 0.1 to 4.0 pH.

1352 - Owner of PRP adding fly ash to spill area inside fence.

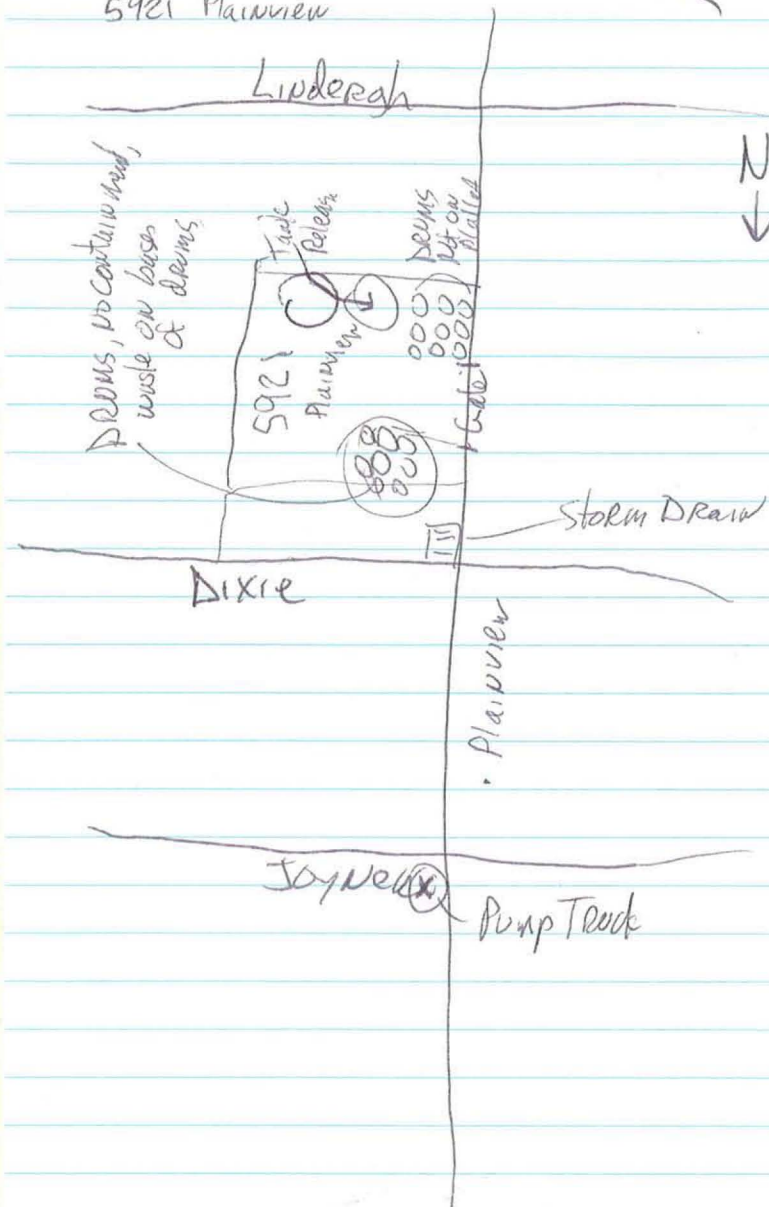
Eagle ~~control~~ continues neutralization and raises pH 2.

PRP apply soda ash along the perimeter of spill as contained on-site.

1410 Eagle proceeds to start washing ~~Plas~~ Plainview Street.



8 2/1/2009 Sharp Performance Chem ER
5921 Plainview



2/1/2009 Sharp Performance Chemical ER
5921 Plainview

9

1437- Eagle Environmental continues to Vac Truck Pump at Plainview & Joyner. pH presently at 5.

1440 photo taken from corner of Dixie & Plainview showing Eagle washing Plainview street. Facing North. Photog. Shaffer, witness. Cdx

1445- pH is water meter on Plainview in area in front of gate at 5921 Plainview. Around corner of Dixie & Plainview. pH ~ 10 in gutter on the street.

1451- pH being measured at Joyce & Plainview in sewer. pH reading 7.0

1453- Eagle Environmental stopped all water spray street cleaning activities and rolling-up hose line.

1505 Beron being added in front of 5921 Plainview.

1510 Product being picked up off ground.

1511 Eagle Pump truck

1515 50-lb bags of play sand used to berm perimeter of 5921 Plainview

2/1/2009

Sharp Performance Chemical ER

5921 Plainview

Approximately 500-600 gallons
of product on surface at 5921
Plainview.

PRP pumping product into Tote.

1515 Eagle Environmental and
city works prep to demarcate from
site.

1520 Eagle Environmental
& City Works off. site. START-3
and PRP only parties on site at 1520.

1525 OSC Cobb called EPA Moore
to inform PRP picking up material
and Eagle / City Works off-line.

1530 Garry Moore OSC on-site.
Property owner from across street
of 5921 inquired about having
his roll-offs washed.

1535 Winds shift, coming from
southwest.

Neighbor across street
Alamo Auto Storage 713-643-4447.

REQ 713 327-0273

TCEQ 540 540-8602

[Signature]

2/1/2009

Sharp Performance Chemical ER 11

5921 Plainview.

1540 - Start Cobb checks pH inside
fence - pH = 2.

PRP talks with Moore (OSC) about
problem with suction and was
instructed to add pot-ash around
perimeter.

PRP going by submersible pump
for basements.

Water HCl was used for water treatment.
But valve/gasket gave way at connection.

Owner concerned how city approached spill.
OSC suggest PRP consider consult with
Environmental consultant for future needs.

1545 - PRP indicates will be off-site
for 30 min to buy a submersible pump.

1650 - Dragler tube indicated approx
1 ppm HCl at 3' above surface.
near front gate at:

29° 40' 47.2" & -95° 18' 36.6"

while no work is performed.

1700 1730 PRP continues trying
recover product and neutralize with
soda ash.

1736 START-3 Depart for the day.

[Signature]

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...for outdoor writing people."**



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ATTACHMENT H

NOAA WEATHER STATION DATA FROM HOUSTON FOR 01 FEBRUARY 2009

These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - <http://www.ncdc.noaa.gov>.

Climatological Report (Daily)

000

CDUS44 KHGX 020837

CLIHOU

CLIMATE REPORT

NATIONAL WEATHER SERVICE HOUSTON/GALVESTON TX

237 AM CST MON FEB 2 2009

.....

...THE HOUSTON CLIMATE SUMMARY FOR FEBRUARY 1 2009...

CLIMATE NORMAL PERIOD 1971 TO 2000

CLIMATE RECORD PERIOD 1892 TO 2009

WEATHER ITEM	OBSERVED VALUE	TIME (LST)	RECORD VALUE	YEAR	NORMAL VALUE	DEPARTURE FROM NORMAL	LAST YEAR
--------------	-------------------	---------------	-----------------	------	-----------------	-----------------------------	--------------

.....
TEMPERATURE (F)

YESTERDAY

MAXIMUM	75	315 PM	82	1989	64	11	60
---------	----	--------	----	------	----	----	----

1911

MINIMUM	49	416 AM	15	1951	42	7	34
---------	----	--------	----	------	----	---	----

AVERAGE	62				53	9	47
---------	----	--	--	--	----	---	----

PRECIPITATION (IN)

YESTERDAY	0.03		3.69	1959	0.11	-0.08	0.00
-----------	------	--	------	------	------	-------	------

MONTH TO DATE	0.03				0.11	-0.08	0.00
---------------	------	--	--	--	------	-------	------

SINCE DEC 1	2.20				7.48	-5.28	6.68
-------------	------	--	--	--	------	-------	------

SINCE JAN 1	0.52				3.79	-3.27	4.62
-------------	------	--	--	--	------	-------	------

SNOWFALL (IN)

YESTERDAY	MM
-----------	----

SNOW DEPTH	0
------------	---

DEGREE DAYS

HEATING

YESTERDAY	3	13	-10	18
MONTH TO DATE	3	13	-10	18
SINCE DEC 1	677	807	-130	692
SINCE JUL 1	834	1034	-200	852

WIND (MPH)

HIGHEST WIND SPEED	14	HIGHEST WIND DIRECTION	E (100)
HIGHEST GUST SPEED	16	HIGHEST GUST DIRECTION	SW (210)
AVERAGE WIND SPEED	5.5		

SKY COVER

AVERAGE SKY COVER 0.7

WEATHER CONDITIONS

THE FOLLOWING WEATHER WAS RECORDED YESTERDAY.

THUNDERSTORM

LIGHT RAIN

FOG

RELATIVE HUMIDITY (PERCENT)

HIGHEST	100
LOWEST	50
AVERAGE	75

THE HOUSTON CLIMATE NORMALS FOR TODAY

	NORMAL	RECORD	YEAR
MAXIMUM TEMPERATURE (F)	64	83	1911
MINIMUM TEMPERATURE (F)	42	14	1951

SUNRISE AND SUNSET

FEBRUARY 2 2009	SUNRISE	711 AM CST	SUNSET	600 PM CST
FEBRUARY 3 2009	SUNRISE	710 AM CST	SUNSET	601 PM CST

- INDICATES NEGATIVE NUMBERS.

R INDICATES RECORD WAS SET OR TIED.

MM INDICATES DATA IS MISSING.

T INDICATES TRACE AMOUNT.

...THE HOUSTON/HOBBY AP CLIMATE SUMMARY FOR FEBRUARY 1 2009...

CLIMATE NORMAL PERIOD 1971 TO 2000

CLIMATE RECORD PERIOD 1930 TO 2009

WEATHER ITEM	OBSERVED VALUE	TIME (LST)	RECORD VALUE	YEAR	NORMAL VALUE	DEPARTURE FROM NORMAL	LAST YEAR
--------------	-------------------	---------------	-----------------	------	-----------------	-----------------------------	--------------

TEMPERATURE (F)

YESTERDAY

MAXIMUM	75	MM	81	1989	65	10	59
				1975			

MINIMUM	53	MM	15	1951	46	7	35
AVERAGE	64				55	9	47

PRECIPITATION (IN)

YESTERDAY	0.01		3.88	1952	0.12	-0.11	0.00
MONTH TO DATE	0.01				0.12	-0.11	0.00
SINCE DEC 1	1.24				8.15	-6.91	8.19
SINCE JAN 1	0.38				4.37	-3.99	6.55

SNOWFALL (IN)

YESTERDAY	0.0
SNOW DEPTH	0

DEGREE DAYS

HEATING

YESTERDAY	1		10	-9	18
MONTH TO DATE	1		10	-9	18
SINCE DEC 1	602		677	-75	577
SINCE JUL 1	730		840	-110	714

WIND (MPH)

HIGHEST WIND SPEED	12	HIGHEST WIND DIRECTION	SW (210)
HIGHEST GUST SPEED	20	HIGHEST GUST DIRECTION	S (190)
AVERAGE WIND SPEED	6.3		

SKY COVER

AVERAGE SKY COVER 0.7

WEATHER CONDITIONS

THE FOLLOWING WEATHER WAS RECORDED YESTERDAY.
THUNDERSTORM
LIGHT RAIN
FOG

RELATIVE HUMIDITY (PERCENT)

HIGHEST 96
LOWEST 57
AVERAGE 77

THE HOUSTON/HOBBY AP CLIMATE NORMALS FOR TODAY

	NORMAL	RECORD	YEAR
MAXIMUM TEMPERATURE (F)	65	82	1963
MINIMUM TEMPERATURE (F)	46	14	1951

SUNRISE AND SUNSET

FEBRUARY 2 2009.....	SUNRISE	710 AM CST	SUNSET	600 PM CST
FEBRUARY 3 2009.....	SUNRISE	709 AM CST	SUNSET	601 PM CST

- INDICATES NEGATIVE NUMBERS.
R INDICATES RECORD WAS SET OR TIED.
MM INDICATES DATA IS MISSING.
T INDICATES TRACE AMOUNT.

The U.S. Naval Observatory (USNO) computes astronomical data. Therefore, the NWS does not record, certify, or authenticate astronomical data. Computed times of sunrise, sunset, moonrise, moonset; and twilight, moon phases and other astronomical data are available from USNO's Astronomical Applications Department (<http://aa.usno.navy.mil>). See <http://aa.usno.navy.mil/faq/docs/lawyers.php> for information on using these data for legal purposes.

ATTACHMENT I

COPY OF TDD NO. TO-0001-09-02-01

START3
Technical Direction Document

TDD #: TO-0001-09-02-01
Contract: EP-W-06-042

Response Activities- REMOVAL
Funds (0001)
Weston Solutions, Inc.

! = required field

TDD Name: Sharp Performance Chemical Acid Release		! Period: Base Period	
! Purpose: Work Assignment Initiation		Verbal Date: 02/01/2009	
! Priority: High		! Start Date: 02/01/2009	
Overtime: Yes		! Completion Date: 05/15/2009	
! Funding Category: Removal		Invoice Unit:	
! Project/Site Name: Sharp Performance Chemical Acid Release		WorkArea: RESPONSE ACTIVITIES	
Project Address: 5921 Plainview		Activity: Emergency Response	
County: Harris		Work Area Code:	
City, State: Houston, TX		Activity Code: RV	
Zip:		EMERGENCY CODE: <input type="checkbox"/> KAT <input type="checkbox"/> RIT	
! SSID: A6M8		FPN:	
CERCLIS:		Performance Based: No	
Operable Unit:			
Authorized TDD Ceiling:		Cost/Fee	LOE (Hours)
Previous Action(s):		\$0.00	(b) (4)
This Action:		\$10,000.00	
New Total:		\$10,000.00	

Specific Elements

Description of Work:

Tier 1 Response. START shall provide Air Monitoring support. START shall provide documentation of incident and response actions taken. START shall coordinate with TM Gary Moore.

Accounting and Appropriation Information

SFO: 22

Line	DCN	IFMS	Budget/ FY	Appropriation Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1	RVC080	XXX	08	TCD	6A00E	302DC6C	2505	A6M7RV00	C001	\$10,000.00

Funding Summary:	Funding
Previous:	\$0.00
This Action:	\$10,000.00
Total:	\$10,000.00

Funding Category
Removal

Section

- Signed by Christopher Ruhl/R6/USEPA/US on 02/02/2009 11:25:12 AM, according to Cheng Wei Feng/s
: Christopher Ruhl Date: 02/02/2009

Project Officer Section - Signed by Linda Carter/R6/USEPA/US on 02/03/2009 04:29:45 PM, according to C

Project Officer: Linda Carter

Date: 02/03/2009

Contracting Officer Section - Signed by Cora Stanley/R6/USEPA/US on 02/03/2009 11:39:41 AM, according

Contracting Officer: Cora Stanley

Date: 02/03/2009

Contractor Section

Contractor Contact:

Date: